

# AART Integrated Projects

Thinking Global



Industrial HVAC systems  
Commercial HVAC systems  
Special HVAC Applications

## AART FOR HVAC SYSTEMS



# Industrial HVAC Systems

## Unique Solution for your Unique HVAC Application

Depending upon intended Application, each Industrial HVAC system differs from other in terms of Type of System, Temperature, Humidity, Air Quantity, Air Quality, Air pattern, Pressure profiles etc. requirement or material used for installation or Applicable Safety & Industrial norms.

AART Engineers have designed and installed some of the most complex HVAC systems in the world! AART is one of the few companies that can claim expertise in diverse Industrial HVAC applications. AART has been involved in various large scale complex projects not only in India but in many countries around the Globe!

### APPLICATIONS

#### INDUSTRIAL PROJECTS

- General : Electro-Mech-Chemical
- Semiconductor, Solar
- Bio-Pharma
- Power Generation
- Food & Beverages , Cosmetics

#### COMMERCIAL PROJECTS

- Hotels / Restaurants
- Hospitals
- Malls / Showrooms
- Office Buildings
- Auditoriums / Theaters
- Schools
- Realty & Infra Projects

#### HI-TECH , RESEARCH BUILDINGS

- Nanotechnology& Microelectronics
- University Labs
- QA/QC Labs

#### CLEANROOMS / SPECIAL PROJECTS

- **General Industries: Electro-Mech and Chemical**
  - Ventilation systems including Air washer systems or Roof Extractors etc.
  - Special Purpose Application for Electronics or Chemical Industries
  - Cold storages, Process cooling or Heating.
- **Microelectronics Industry (Semiconductor, Solar, Nanotechnology)**
  - Scrubbed Acid, Caustic Exhaust using PTFE coated SS304 or PP ducting
  - Hazardous Production Material (HPM) Exhaust : Toxic, Flammable
  - VOC Abatement systems / Solvent Exhaust
  - De-smoke, Calamity Exhaust
  - General Exhaust
  - Supply Air and Make Up Air Systems
  - Cleanroom upto
    - Class 100 *US FED STD 209E* / Class ISO -5 *ISO 14644-1*
  - Process cooling water (PCW) , Cooling water (CW), Hot water (HW)
- **Biotech and Pharma Industry**
  - HVAC Systems
  - Cleanrooms up to
    - Class 100 *US FED STD 209E* / Class ISO -5 *ISO 14644-1* / Grade A *GMP EU*
  - Unidirectional Airflow Systems, Laminar Air Flow , Filter Fan Modules
    - FDA CFR 21 Part 11 compliant
  - HVAC for ATEX Area
  - Low Temperature Applications
- **Power Generation Industry**
  - HVAC System including VAM chillers
  - Air washers
  - Dryers
- **Food & Beverages& Cosmetics Industry**
  - Complete HVAC Solution

## AART HVAC SERVICES

- Design Engineering Support (In-house / On-site)
- Engineering Procurement and Construction (EPC)
- Design – Build O&M and Facility Management

## SYSTEMS

### Centralized Airconditioning systems

- Air cooled chillers
- Water Cooled chillers
- Vapor Absorption chillers

### Unitary systems

- Packaged Units
- Ducted Units
- Cassette Units
- Hi-wall split /Window Units
- Ventilation / Exhaust
- General / Kitchen etc.
- Process (Acid/ Caustic/ Solvent Exhaust systems)
- Smoke Exhaust

## OUR HVAC SOLUTION OFFERS

- Comfort
- Reduced Energy & Maintenance costs
- Maximized simplicity
- Operating ease & flexibility
- Reliability
- Longevity



## Commercial HVAC systems

Making your business place comfortable is our business!

AART provides advanced, energy-efficient HVAC systems that provide reliable comfort for light commercial buildings.

- Hotels / Restaurants
- Hospitals, Healthcare facilities
- Malls , Showrooms and Retail Shops
- Office Buildings
- Auditoriums / Theaters
- Schools

AART designs HVAC systems to improve comfort, reduce total cost of ownership, protect indoor air quality and simplify installation and maintenance.

AART offers a Comprehensive solution using products from various established brands.

- Air Cooled or Water cooled Chillers
- VRF Systems
- Air cooled or Water cooled Packaged Units
- Ductable Split Units
- Non-ductable Split Units, Cassette Units
- Condensing Units
- Air Handling Units, Make Up Air Units ,Two stage Evaporating Cooling Units
- Cleanroom Solutions for Operation Theaters
- Kitchen Exhaust for Restaurants and Hotels
- Indoor Air Quality Systems etc.

Due to its experience in handling large scale projects with challenging schedules, AART is an ideal subcontracting partner for Realty Companies or Infra projects such as Airports etc.

## Special HVAC Applications

AART delivers solutions for Special HVAC applications such as data Centres or Precision Airconditioning Requirement, Nano Technology labs. Some of the solutions are offered along with German Products or Design companies

M+W Products Germany GmbH  
Arc | in GmbH

[www.products.mwgroup.net](http://www.products.mwgroup.net)  
[www.arcin.de](http://www.arcin.de)



INTEGRATED SOLUTION

#### AART OFFERS SERVICES IN MULTIPLE DISCIPLINES

- Construction: Civil / Interior / Landscaping
- MEP
  - Mechanical (HVAC)
  - Electrical
  - Plumbing / Firefighting
- Cleanroom
- Solar and Alternate Energy
- Packaged drinking water plants and Water Treatment
- Instrumentation, controls, BMS, LCS
- IT Infrastructure

Formed in 2004, AART is fast upcoming Integrated Projects Company AART now offers end to end Construction and MEP solutions to various Industries.

We at AART are a homogeneous team of various backgrounds. The common factor binding us is our motivation to build a global organization. Our aim is not only customer's satisfaction but also customer's success. We are continuously increasing in size and our global reach and at the same time maintaining our loyal customer base. We take pride in delivering services with the utmost reliability, creativity and integrity, all at very competitive rates.

Our vast experience in India and abroad in Design and execution of large scale MEP projects and PMC of Mega Turnkey projects enables us to undertake projects of high complexities.

We also undertake facility Management / Operations contracts / Annual Maintenance Contract (AMC); which would be extremely suitable to your needs and budget.

AART has set itself high quality standards and with every project the quality bars are being raised. We are equipped with all modern communication facilities to handle our International business. This allows us to be in touch with our clients and project teams spread across the globe 24/7. As a service organization it is our prime objective to be flexible in meeting our customers need and make dedicated efforts to meet the challenges.



INTEGRATED SOLUTION

